



VIENNA SYMPHONIC LIBRARY

# **Vienna Instruments Special Brass**

**Cornet**

**Alto Trombone**

**Euphonium**

**Fanfare Trumpets (6 players)**

# Contents

<b>Introduction .....</b>	<b>5</b>
<b>Patch information .....</b>	<b>5</b>
Interval performances .....	5
Repetition performances .....	5
<b>Matrix information .....</b>	<b>6</b>
<b>Preset information .....</b>	<b>6</b>
<b>Articulations .....</b>	<b>6</b>
<b>Abbreviations.....</b>	<b>8</b>
Instrument abbreviations .....	8
Articulations and other abbreviations.....	8
<b>The orchestra .....</b>	<b>9</b>
<b>Pitch.....</b>	<b>9</b>
<b>53 Cornet.....</b>	<b>10</b>
<b>Patches .....</b>	<b>10</b>
01 SHORT + LONG NOTES .....	10
02 DYNAMICS .....	11
03 FLATTER.....	12
10 PERF INTERVAL .....	13
11 PERF INTERVAL FAST .....	13
12 PERF TRILL .....	14
13 PERF REPETITION.....	14
14 FAST REPETITION.....	15
15 UPBEAT REPETITION .....	15
A Single Upbeat .....	15
B Double Upbeats .....	15
C Triple Upbeats .....	15
98 RESOURCES .....	16
01 Perf Rep dyn.....	16
02 Long Notes - Single Layer .....	16
99 RELEASE .....	17
<b>Matrices .....</b>	<b>18</b>
Matrix - LEVEL 1 .....	18
Matrix - LEVEL 2 A - Advanced .....	18
Matrix - LEVEL 2 B - Standard .....	19
Matrix - LEVEL 2 C - Repetitions .....	20
Matrix - LEVEL 2 E - Keyswitch Vel .....	21
<b>Presets .....</b>	<b>22</b>

<b>56 Alto trombone.....</b>	<b>23</b>
<b>Patches .....</b>	<b>23</b>
01 SHORT + LONG NOTES .....	23
02 DYNAMICS .....	24
03 FLATTER.....	25
10 PERF INTERVAL .....	26
11 PERF INTERVAL FAST .....	26
12 PERF TRILL .....	26
13 PERF REPETITION.....	27
14 FAST REPETITION.....	27
15 UPBEAT REPETITION .....	28
A Single Upbeat .....	28
B Double Upbeats .....	28
C Triple Upbeats .....	28
16 GLISSANDI.....	28
98 RESOURCES .....	30
01 Perf Rep dyn.....	30
02 Long Notes - Single Layer .....	30
99 RELEASE .....	31
<b>Matrices .....</b>	<b>32</b>
Matrix - LEVEL 1 .....	32
Matrix - LEVEL 2 A - Advanced .....	32
Matrix - LEVEL 2 B - Standard.....	33
Matrix - LEVEL 2 C - Repetitions.....	34
Matrix - LEVEL 2 E - Keyswitch Vel .....	35
<b>Presets .....</b>	<b>36</b>
<b>59 Euphonium .....</b>	<b>37</b>
<b>Patches .....</b>	<b>37</b>
01 SHORT + LONG NOTES .....	37
02 DYNAMICS .....	38
03 FLATTER.....	39
10 PERF INTERVAL .....	39
11 PERF INTERVAL FAST .....	40
12 PERF TRILL .....	40
13 PERF REPETITION.....	40
14 FAST REPETITION.....	41
15 UPBEAT REPETITION .....	41
A Single Upbeat .....	41
B Double Upbeats .....	42
C Triple Upbeats .....	42
98 RESOURCES .....	42
01 Perf Rep dyn.....	42
02 Long Notes - Single Layer .....	43
99 RELEASE .....	43
<b>Matrices .....</b>	<b>44</b>
Matrix - LEVEL 1 .....	44

Matrix - LEVEL 2 A - Advanced .....	44
Matrix - LEVEL 2 B - Standard .....	45
Matrix - LEVEL 2 C - Repetitions .....	46
Matrix - LEVEL 2 E - Keyswitch Vel .....	47
<b>Presets .....</b>	<b>48</b>
<b>63 Trumpets - a6 .....</b>	<b>49</b>
<b>Patches .....</b>	<b>49</b>
01 SHORT + LONG NOTES .....	49
02 DYNAMICS .....	49
03 FLATTER .....	51
10 PERF INTERVAL .....	51
11 PERF INTERVAL FAST .....	52
12 PERF TRILL .....	52
13 PERF REPETITION .....	52
14 FAST REPETITION .....	53
15 UPBEAT REPETITION .....	53
A Single Upbeat .....	53
B Double Upbeats .....	53
C Triple Upbeats .....	54
98 RESOURCES .....	54
01 Perf Rep dyn .....	54
02 Long Notes - Single Layer .....	54
99 RELEASE .....	55
<b>Matrices .....</b>	<b>56</b>
Matrix - LEVEL 1 .....	56
Matrix - LEVEL 2 A - Advanced .....	56
Matrix - LEVEL 2 B - Standard .....	57
Matrix - LEVEL 2 C - Repetitions .....	58
Matrix - LEVEL 2 E - Keyswitch Vel .....	59
<b>Presets .....</b>	<b>60</b>

## Introduction

Welcome to the Vienna Symphonic Library's Special Brass. This document contains the mapping information for this Vienna Instruments Collection. You will find in it a comprehensive survey of the articulations/Patches for the Collection's Standard and Extended contents, a listing of abbreviations, and the mapping list proper which gives details for every Patch, Matrix, and Preset.

## Patch information

The Patch information includes articulation type, playing range, number of samples used, RAM requirements, the number of velocity layers and alternations, AB switching possibilities, etc., as well as Patch specific information if necessary.

The velocity layer switches generally are the same for patches with the same number of layers but may occasionally be adapted to the instrument's requirements. The Patch information also lists the velocity layers in detail.

## Interval performances

Interval performances are one of the outstanding features of our Vienna Instruments Collections. They allow you to play authentic legato without any programming tricks. In our Silent Stage, all intervals from minor second to the octave were recorded for every instrument – up and down, of course; that makes 24 interval samples per note for one velocity alone! When you load an interval performance Patch and play a line on your keyboard, the software automatically joins the right samples with their interval transitions again, and you hear a perfect legato. By the way, this technique is also used for other articulations like the strings' portamento (which are also included in the Special Edition), marcato, or détaché and spiccato.

The interval performances also contain two legato repetitions for every note which alternate automatically whenever you strike a key more than once. There also are preconfigured thresholds for legato and repetition notes: The legato threshold – i.e., the maximum break between notes where legato is played – is 50 ms. Otherwise, a sustained starting note will sound so that you can easily start a new phrase without leaving the legato Patch. For note repetitions, the threshold is 200 ms: a break up to that duration will yield a legato repetition; if the break is longer, a new starting note. But naturally, it's mingling legato with other articulations which makes a piece really come alive.

Due to their nature, all interval performances are monophonic; otherwise, the software would have to be able to decide which source note belongs to which target note. To circumvent this, you can open two VI instances of the same instrument on separate MIDI tracks without any additional strain on your RAM.

A variety of interval performance you will also find in your Collection are "perf-leg\_sus" Patches. These are normal legatos, too, only the target note of each interval is crossfaded into a looped sustain. They can be used for slower pieces with long notes; however, you should use them with circumspection, since plain legatos sound more lively because they not only render the interval transitions as they were played, but also have different target samples for every interval instead of the same sustained note: When you play, e.g., c–e and then c#–e with normal legato, you will get two different "e" tones; with sus-legato you won't.

**Multi interval performances** are a special kind of interval performance which combines legatos and repetitions. They are used for performance trills, but also for very fast legato phrases. The trills for this Collection were recorded for minor and major 2nd, with 6 repetitions each (which explains why they all have so many samples), so that the trill won't get boring after just four notes ... The other intervals up to the octave are fast legatos, so that you can play them like other interval performances.

## Repetition performances

Unlike our fast repetitions, which only can be played at the speed they were recorded at and have a fixed number of 9 repeated notes, repetition performances allow you to cover a wide area of speeds from slow legato to very fast staccato. Like the legatos, the repetitions were recorded in one go and then cut up into discreet samples. The Vienna Instrument joins them again when you play, so that you have an unlimited supply of repetitions. Dynamics repetitions, however, are still limited in number (legatos and some portatos 5, other portatos and staccatos 9) since you cannot get louder or softer endlessly ...

## Matrix information

Each Matrix listing contains information regarding the Patches used for the Matrix, the number of horizontal and vertical dimensions, and switching properties. A mapping table shows the Cell positions for each of the Matrix' Patches.

**A/B switching** normally is set to A0 for upward/crescendo, and B0 for downward/diminuendo. However, some bass instruments go below that range so that the A/B keys have to be adapted accordingly.

In order to facilitate working with **MIDI controller switches** like the Modulation wheel, the switching positions are not distributed equally across the controller range if they control more than two Matrix rows or columns; generally, the switching range will be narrower at the extreme positions because they are easy to set, and wider in the middle where it is harder to find the desired setting.

**Speed controller switches** naturally are adjusted to the Patches involved, and have been tested carefully as to their playability. However, if you find that they do not fit your playing, or want to try out other settings, you can change this as well as any other controller's settings at the **Control edit** page, and save the result in your Custom Matrix folder.

## Preset information

The Preset information lists the Matrices used in the Preset as well as its keyswitches. All other information can be gathered from the Matrix and Patch listings, so there's not really much to say here. Please note that the Matrices of a Preset can also be switched with MIDI Program Changes 101–112 instead of keyboard notes.

## Articulations

Instrument/Group	Level 1 (Standard) content	Level 2 (Extended) content
<b>53 Cornet</b>		
<b>01 SHORT + LONG NOTES</b>	Staccato Portato short Sustained with and without vibrato	Portato medium and long Sustained with progressive vibrato
<b>02 DYNAMICS</b>	Fortepiano and sforzato, with vibrato	Medium dynamics with vibrato, 1.5/2/3/4 sec. Strong dynamics without vibrato, 1.5/2/3/4 sec. Crescendo-diminuendo with vibrato, 2/4/6 sec. Crescendo-diminuendo without vibrato, 2/3/4/6 sec. Sforzatissimo with vibrato
<b>03 FLATTER</b>	Flutter tonguing, normal and crescendo	
<b>10 PERF INTERVAL</b>	Legato	Marcato Portamento
<b>11 PERF INTERVAL FAST</b>	Legato	Marcato
<b>12 PERF TRILL</b>		Trills, legato, minor to major 2nd
<b>13 PERF REPETITION</b>		Legato Portato Staccato Normal and dynamics
<b>14 FAST REPETITION</b>		Staccato, 120 to 180 BPM Normal and dynamics
<b>15 UPBEAT REPETITION</b>		1, 2, and 3 upbeats, 80-140, 160, 180, and 200 BPM

Instrument/Group	Level 1 (Standard) content	Level 2 (Extended) content
<b>56 Alto trombone</b>		
<b>01 SHORT + LONG NOTES</b>	Staccato Portato short Sustained	Portato medium Portato long, marcato and soft
<b>02 DYNAMICS</b>	Fortepiano and sforzato	Medium dynamics, 1.5/2/3/4/6 sec. Strong dynamics, 2/3/4/6 sec. Crescendo-diminuendo, 2/3/4/6/8 sec. Sforzatissimo
<b>03 FLATTER</b>	Flutter tonguing, normal and crescendo	
<b>10 PERF INTERVAL</b>	Legato	Marcato
<b>11 PERF INTERVAL FAST</b>	Legato	Marcato
<b>12 PERF TRILL</b>		Trills, legato, minor to major 2nd
<b>13 PERF REPETITION</b>		Legato Portato Staccato Normal and dynamics
<b>14 FAST REPETITION</b>		Staccato, 120 to 180 BPM Normal and dynamics
<b>15 UPBEAT REPETITION</b>		1, 2, and 3 upbeats, 80-140, 160, 180, and 200 BPM
<b>16 GLISSANDI</b>		Performance glissandos, fast and slow, minor 2nd to diminished 5th Fixed glissandos, fast and slow, minor 2nd/3rd to diminished 5th, up and down
<b>59 Euphonium</b>		
<b>01 SHORT + LONG NOTES</b>	Staccato Portato short Sustained	Portato medium Portato long, marcato and soft
<b>02 DYNAMICS</b>	Fortepiano and sforzato	Medium dynamics, 1.5/2/3/5 sec. Strong dynamics, 2/3/5 sec. Crescendo-diminuendo, 2/3/4/6/8 sec. Sforzatissimo
<b>03 FLATTER</b>	Flutter tonguing, normal and crescendo	
<b>10 PERF INTERVAL</b>	Legato	Marcato
<b>11 PERF INTERVAL FAST</b>	Legato	Marcato
<b>12 PERF TRILL</b>		Trills, legato, minor to major 2nd
<b>13 PERF REPETITION</b>		Legato Portato Staccato Normal and dynamics
<b>14 FAST REPETITION</b>		Staccato, 120 to 180 BPM Normal and dynamics
<b>15 UPBEAT REPETITION</b>		1, 2, and 3 upbeats, 80-140, 160, 180, and 200 BPM

Instrument/Group	Level 1 (Standard) content	Level 2 (Extended) content
<b>63 Trumpets - a6</b>		
<b>01 SHORT + LONG NOTES</b>	Staccato Portato short Sustained	Portato medium
<b>02 DYNAMICS</b>	Fortepiano and sforzato	Medium dynamics, 1.5/2/3/4/5 sec. Strong dynamics, 2/3/4/5 sec. Crescendo-diminuendo, 2/3/4/6/8/10 sec. Sforzatissimo
<b>03 FLATTER</b>	Flutter tonguing, normal and crescendo	
<b>10 PERF INTERVAL</b>	Legato	Marcato
<b>11 PERF INTERVAL FAST</b>	Legato	Marcato
<b>12 PERF TRILL</b>		Trills, legato, minor to major 2nd
<b>13 PERF REPETITION</b>		Legato Portato Staccato Portato and staccato dynamics
<b>14 FAST REPETITION</b>		Staccato, 120 to 180 BPM Normal and dynamics
<b>15 UPBEAT REPETITION</b>		1, 2, and 3 upbeats, 80-140, 160, and 180 BPM

## Abbreviations

### Instruments

Abbreviation	English	German
ATB	Alto Trombone	Altposaune
CO	Cornet	Kornett
EU	Euphonium	Euphonium
Tr	Trumpet	Trompete
Tr-6	Trumpet ensemble (6 players)	

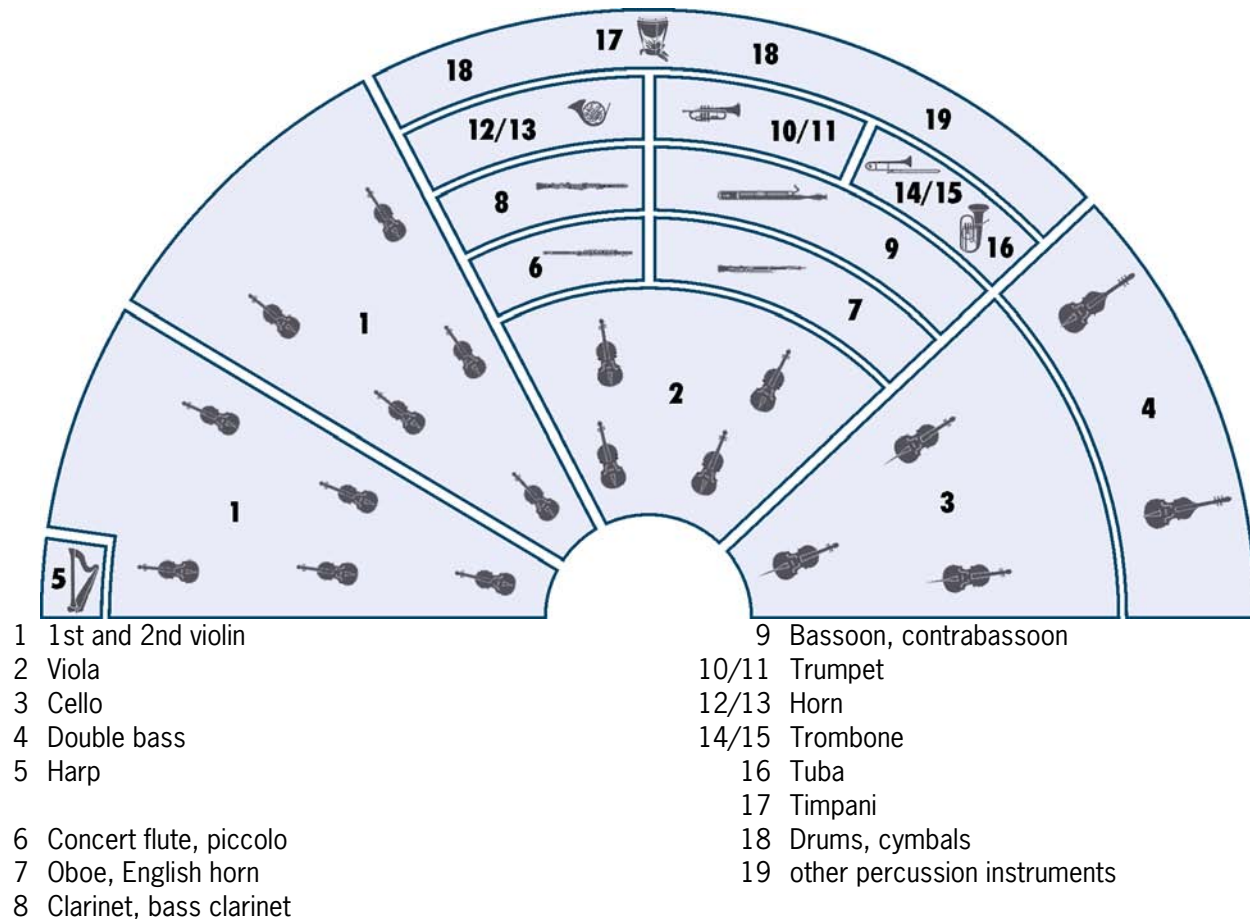
### Articulations and other abbreviations

Abbreviation	Meaning	Abbreviation	Meaning
150, 160, ...	150, 160, ... BPM (beats per minute)	marc	marcato
1s, 2s, ...	1 sec., 2sec. ... duration	me	medium
all	combination of all Patches of a category	noVib	without vibrato
cre	crescendo	perf-rep	repetition performance
cre5, cre9	crescendo, 5/9 repetitions	por	portato
dim	diminuendo	RS	release sample
dim5, dim9	diminuendo, 5/9 repetitions	sl	slow
dyn	dynamics (crescendo and diminuendo)	soft	soft attack
dyn5, dyn9	dynamics, 5/9 repetitions	sta, stac	staccato
fa	fast	str	strong
fast-rep	fast repetitions	sus	sustained
flutter	flutter tonguing	Vib	with (medium) vibrato
leg	legato	Vib-prog	progressive vibrato
		XF	cell crossfade Matrix



## The orchestra

There are several ways of setting up an orchestra, depending on the era of the piece played, the type of the piece and the instruments it requires, and even on the preference of the conductor. The figure below shows one of the more common setups, which can be taken as a guideline for mixing a composition, properly positioning the instruments in the stereo field and adding reverb according to the size of the concert hall you want your piece to be played in.



## Pitch

For designating pitch, the Vienna Symphonic Library uses International Pitch Notation (IPN), which was agreed upon internationally under the auspices of the Acoustical Society of America. In this system the international standard of A=440 Hz is called A4 and middle C is C4. All pitches are written as capital letters, their respective octave being indicated by a number next to it. The lowest C on the piano is C1 (the A below that is A0), etc.

You can tune your Vienna Instruments to other players, or adjust it to tunings of earlier musical periods by setting the Perform page's Master Tune option within a range of 420 to 460 Hz.

# 53 Cornet

## Patches

### 01 SHORT + LONG NOTES

Range: E3–D6



Single notes

**Level 1:** Staccato

Portato short

Sustained with and without vibrato

**Level 2:** Portato medium and long

Sustained with progressive vibrato

#### 01 CO\_staccato

Samples: 264

RAM: 16 MB

**Level 1**

Staccato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

2 Alternations

#### 02 CO\_portato\_short

Samples: 330

RAM: 20 MB

**Level 1**

Portato, short

5 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–118 f; 119–127 ff

2 Alternations

#### 03 CO\_portato\_medium

Samples: 264

RAM: 16 MB

**Level 2**

Portato, medium

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

2 Alternations

#### 04 CO\_portato\_long\_marc

Samples: 66

RAM: 4 MB

**Level 2**

Portato, long, marcato

1 velocity layer

Release samples

2 Alternations

#### 11 CO\_sus\_Vib

Samples: 264

RAM: 16 MB

**Level 1**

Sustained, with vibrato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

#### 12 CO\_sus\_Vib-progr

Samples: 264

RAM: 16 MB

**Level 2**

Sustained, with progressive vibrato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

#### 13 CO\_sus\_noVib

Samples: 264

RAM: 16 MB

**Level 1**

Sustained, without vibrato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

**02 DYNAMICS****Range: E3–D6**

Single notes

**Level 1:** Fortepiano and sforzato, with vibrato**Level 2:** Medium dynamics with vibrato, 1.5/2/3/4 sec.

Strong dynamics without vibrato, 1.5/2/3/4 sec.

Crescendo-diminuendo with vibrato, 2/4/6 sec.

Crescendo-diminuendo without vibrato, 2/3/4/6 sec.

Sforzatissimo with vibrato

**01 CO\_dyn-me\_Vib\_1'5s****Samples: 68****RAM: 4 MB****Level 2**

Medium crescendo and diminuendo with vibrato, 1.5 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

**02 CO\_dyn-me\_Vib\_2s****Samples: 68****RAM: 4 MB****Level 2**

Medium crescendo and diminuendo with vibrato, 2 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

**03 CO\_dyn-me\_Vib\_3s****Samples: 68****RAM: 4 MB****Level 2**

Medium crescendo and diminuendo with vibrato, 3 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

**04 CO\_dyn-me\_Vib\_4s****Samples: 68****RAM: 4 MB****Level 2**

Medium crescendo and diminuendo with vibrato, 4 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

**11 CO\_dyn-str\_noVib\_1'5s****Samples: 34****RAM: 2 MB****Level 2**

Strong crescendo and diminuendo without vibrato, 1.5 sec.

1 velocity layer

AB switch: crescendo/diminuendo

**12 CO\_dyn-str\_noVib\_2s****Samples: 34****RAM: 2 MB****Level 2**

Strong crescendo and diminuendo without vibrato, 2 sec.

1 velocity layer

AB switch: crescendo/diminuendo

**13 CO\_dyn-str\_noVib\_3s****Samples: 34****RAM: 2 MB****Level 2**

Strong crescendo and diminuendo without vibrato, 3 sec.

1 velocity layer

AB switch: crescendo/diminuendo

**14 CO\_dyn-str\_noVib\_4s****Samples: 34****RAM: 2 MB****Level 2**

Strong crescendo and diminuendo without vibrato, 4 sec.

1 velocity layer

AB switch: crescendo/diminuendo

**21 CO\_pfp\_Vib\_2s****Samples: 34****RAM: 2 MB****Level 2**

Crescendo-diminuendo with vibrato, 2 sec.

2 velocity layers: 0–88 p; 89–127 f

<b>22 CO_pfp_Vib_4s</b> Crescendo-diminuendo with vibrato, 4 sec. 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 34</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>
<b>23 CO_pfp_Vib_6s</b> Crescendo-diminuendo with vibrato, 6 sec. 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 34</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>
<b>31 CO_pfp_noVib_2s</b> Crescendo-diminuendo without vibrato, 2 sec. 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 34</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>
<b>32 CO_pfp_noVib_3s</b> Crescendo-diminuendo without vibrato, 3 sec. 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 34</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>
<b>33 CO_pfp_noVib_4s</b> Crescendo-diminuendo without vibrato, 4 sec. 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 34</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>
<b>34 CO_pfp_noVib_6s</b> Crescendo-diminuendo without vibrato, 6 sec. 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 34</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>
<b>51 CO_fp_Vib</b> Fortepiano, with vibrato 1 velocity layer	<b>Samples: 33</b>	<b>RAM: 2 MB</b>	<b>Level 1</b>
<b>52 CO_sfz_Vib</b> Sforzato, with vibrato 1 velocity layer	<b>Samples: 33</b>	<b>RAM: 2 MB</b>	<b>Level 1</b>
<b>53 CO_sffz_Vib</b> Sforzatisimo, with vibrato 1 velocity layer	<b>Samples: 33</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>

**03 FLATTER****Range: E3–C6**

Single notes

**Level 1:** Flutter tonguing, normal and crescendo

<b>01 CO_flatter</b> Flutter tonguing, forte 1 velocity layer Release samples	<b>Samples: 62</b>	<b>RAM: 3 MB</b>	<b>Level 1</b>
<b>02 CO_flatter_cre</b> Flutter tonguing, crescendo 1 velocity layer	<b>Samples: 31</b>	<b>RAM: 1 MB</b>	<b>Level 1</b>

**10 PERF INTERVAL****Range: E3–C6**

Interval performances

**Level 1:** Legato**Level 2:** Marcato  
Portamento**01 CO\_perf-legato****Samples: 842   RAM: 52 MB   Level 1**

Legato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**02 CO\_perf-marcato****Samples: 842   RAM: 52 MB   Level 2**

Marcato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**03 CO\_perf-portamento****Samples: 454   RAM: 28 MB   Level 2**

Portamento

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**11 PERF INTERVAL FAST****Range: E3–D6**

Fast interval performances

**Level 1:** Legato**Level 2:** Marcato**01 CO\_perf-legato\_fa****Samples: 902   RAM: 56 MB   Level 1**

Legato, fast

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**02 CO\_perf-marcato\_fa****Samples: 904   RAM: 56 MB   Level 2**

Marcato, fast

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**12 PERF TRILL****Range: E3–D6**

Multi interval performances

**Level 2:** Trills, legato, minor to major 2nd**01 CO\_perf-trill****Samples: 1482 RAM: 92 MB Level 2**

Performance trills, legato, minor to major 2nd

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**13 PERF REPETITION****Range: E3–D6**

Repetition performances

**Level 2:** Legato  
 Portato  
 Staccato  
 Normal and dynamics

**01 CO\_perf-rep\_leg****Samples: 255 RAM: 15 MB Level 2**

Legato repetitions

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

**02 CO\_perf-rep\_por****Samples: 459 RAM: 28 MB Level 2**

Portato repetitions

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

**03 CO\_perf-rep\_sta****Samples: 408 RAM: 25 MB Level 2**

Staccato repetitions

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

**11 CO\_perf-rep\_dyn5\_leg****Samples: 170 RAM: 10 MB Level 2**

Legato dynamics, 5 repetitions

1 velocity layer

AB switch: crescendo/diminuendo

**12 CO\_perf-rep\_dyn9\_por****Samples: 306 RAM: 19 MB Level 2**

Portato dynamics, 9 repetitions

1 velocity layer

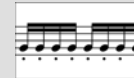
AB switch: crescendo/diminuendo

**13 CO\_perf-rep\_dyn9\_sta****Samples: 306 RAM: 19 MB Level 2**

Staccato dynamics, 9 repetitions

1 velocity layer

AB switch: crescendo/diminuendo

**14 FAST REPETITION****Range: E3–D6**

Fast repetitions

**Level 2:** Staccato, 120 to 180 BPM  
Normal and dynamics

**01 CO\_fast-rep\_120 (130/140/150/160/170/180)****Samples: 102****RAM: 6 MB****Level 2**

Staccato, 9 repetitions, 120–180 BPM

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

**11 CO\_fast-rep\_120\_dyn (130/140/150/160/170/180)****Samples: 34****RAM: 2 MB****Level 2**

Staccato, 9 repetitions, 120–180 BPM, crescendo and diminuendo

1 velocity layer

AB switch: crescendo/diminuendo

**15 UPBEAT REPETITION****Range: E3–D6**

Upbeat repetitions

**Level 2:** 1, 2, and 3 upbeats, 80–140, 160, 180, and 200 BPM**15 UPBEAT REPETITION/A Single Upbeat****Range: E3–D6****01 CO\_UB-a1\_80 (90/100/110/120/130/140/160/180/200)****Samples: 51****RAM: 3 MB****Level 2**

1 upbeat, 80–140, 160, 180, and 200 BPM

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

**15 UPBEAT REPETITION/B Double Upbeats****Range: E3–D6****01 CO\_UB-a2\_80 (90/100/110/120/130/140/160/180/200)****Samples: 51****RAM: 3 MB****Level 2**

2 upbeats, 80–140, 160, 180, and 200 BPM

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

**15 UPBEAT REPETITION/C Triple Upbeats****Range: E3–D6****01 CO\_UB-a3\_80 (90/100/110/120/130/140/160/180/200)****Samples: 51****RAM: 3 MB****Level 2**

3 upbeats, 80–140, 160, 180, and 200 BPM

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

**98 RESOURCES****Range: E3–D6**

Resources

**Level 2:** Isolated dynamics repetitions: Legato, portato, staccato  
Single layer long notes

**98 RESOURCES/01 Perf Rep dyn****Range: E3–D6****01 CO\_rep\_cre5\_leg-1 (2/3/4/5)****Samples: 17****RAM: 1 MB****Level 2**

Extracted repetition

Legato, crescendo, 1st to 5th note

1 velocity layer

**01 CO\_rep\_dim5\_leg-1 (2/3/4/5)****Samples: 17****RAM: 1 MB****Level 2**

Extracted repetition

Legato, diminuendo, 1st to 5th note

1 velocity layer

**02 CO\_rep\_cre9\_por-1 (2/3/4/5/6/7/8/9)****Samples: 17****RAM: 1 MB****Level 2**

Extracted repetition

Portato, crescendo, 1st to 9th note

1 velocity layer

**02 CO\_rep\_dim9\_por-1 (2/3/4/5/6/7/8/9)****Samples: 17****RAM: 1 MB****Level 2**

Extracted repetition

Portato, diminuendo, 1st to 9th note

1 velocity layer

**03 CO\_rep\_cre9\_sta-1 (2/3/4/5/6/7/8/9)****Samples: 17****RAM: 1 MB****Level 2**

Extracted repetition

Staccato, crescendo, 1st to 9th note

1 velocity layer

**03 CO\_rep\_dim9\_sta-1 (2/3/4/5/6/7/8/9)****Samples: 17****RAM: 1 MB****Level 2**

Extracted repetition

Staccato, diminuendo, 1st to 9th note

1 velocity layer

**98 RESOURCES/02 Long Notes - Single Layer****Range: E3–D6****01 CO\_sus\_p****Samples: 66****RAM: 4 MB****Level 2**

Sustained, piano

1 velocity layer

Release samples

**02 CO\_sus\_mf****Samples: 66****RAM: 4 MB****Level 2**

Sustained, mezzoforte

1 velocity layer

Release samples



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**03 CO\_sus\_f**

Sustained, forte  
1 velocity layer  
Release samples

**Samples: 66****RAM: 4 MB****Level 2**

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**04 CO\_sus\_ff**

Sustained, fortissimo  
1 velocity layer  
Release samples

**Samples: 66****RAM: 4 MB****Level 2**

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**99 RELEASE**

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

# Matrices

## Matrix - LEVEL 1

### L1 C0 Articulation Combi

Samples: 1149 RAM: 71 MB **Level 1**

Single note articulations

Staccato, portato short, sustained with and without vibrato, fortissimo and sforzato, flutter tonguing normal and crescendo

**Matrix switches:** Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
V1	stac	sus vib.	fp	flutter
V2	port. short	sus no vib.	sfz	flutter cres.

### L1 C0 Perf-Legato Speed

Samples: 1030 RAM: 64 MB **Level 1**

Interval performances

Legato normal and fast

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones

	H1	H2
legato	normal	fast

## Matrix - LEVEL 2 A - Advanced

### 01 C0 Perf-Universal

Samples: 2384 RAM: 149 MB **Level 2**

Interval performances

Legato normal and fast

Portamento

Marcato normal and fast

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones Vertical: Modwheel, 3 zones

	H1	H2
V1	legato normal	legato fast
V2	portamento	legato fast
V3	marcato normal	marcato fast

### 02 C0 Perf-Trill Speed

Samples: 1610 RAM: 100 MB **Level 2**

Multi interval performances

Legato and trills

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

**03 CO Short+Long notes - All****Samples: 1386 RAM: 86 MB Level 2**

Single notes

Staccato

Portato short and medium

Sustained with normal, progressive, and without vibrato

**Matrix switches:** Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1
V1	staccato	port. short	port. med.	sus. vib.
V2	%	%	%	sus. prog. vib.
V3	%	%	%	sus. no vib.

**Matrix - LEVEL 2 B - Standard****11 CO Perf-Legato Speed****Samples: 1030 RAM: 64 MB Level 2**

Interval performances

Legato normal and fast

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones

	H1	H2
legato	normal	fast

**12 CO Perf-Marcato Speed****Samples: 1032 RAM: 64 MB Level 2**

Interval performances

Marcato normal and fast

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones

	H1	H2
marcato	normal	fast

**13 CO Dynamics - Small****Samples: 303 RAM: 18 MB Level 2**

Medium crescendo and diminuendo with vibrato, 2, 3, and 4 sec.

Fortepiano, sforzato, sforzatissimo with vibrato

**Matrix switches:** Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
dyn.med. vib.	2 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

**14 CO Dynamics - Large****Samples: 609 RAM: 38 MB Level 2**

Medium crescendo and diminuendo with vibrato, 1.5, 2, 3, and 4 sec.

Strong crescendo and diminuendo without vibrato, 1.5, 2, 3, and 4 sec.

Crescendo-diminuendo with vibrato, 2, 4, and 6 sec.

Fortepiano, sforzato, sforzatissimo with vibrato

**Matrix switches:** Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1
dyn.med. vib.	1.5 sec.	2 sec.	3 sec.	4 sec.
dyn.str. no vib.	1.5 sec.	2 sec.	3 sec.	4 sec.
pfp vib.	2 sec.	4 sec.	6 sec.	6 sec.
fp/sfz vib.	fp	sfz	sffz	sffz

**15 CO Flatter****Samples: 93****RAM: 5 MB****Level 2**

Flutter tonguing

Normal, crescendo, and normal/crescendo with Cell crossfading

**Matrix switches:** Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
flutter	normal	crescendo	Cell XF

**Matrix - LEVEL 2 C - Repetitions****31 CO Perf-Repetitions - Combi****Samples: 1122 RAM: 70 MB****Level 2**

Repetition performances

Legato, portato, staccato

**Matrix switches:** Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
V1	legato	portato	staccato

**32 CO Perf-Repetitions - Speed****Samples: 1122 RAM: 70 MB****Level 2**

Repetition performances

Legato, portato, staccato

Speed controller

**Matrix switches:** Horizontal: Speed, 3 zones

	H1	H2	H3
V1	legato	portato	staccato

**33 CO Fast-Repetitions****Samples: 408****RAM: 25 MB****Level 2**

Fast repetitions: Staccato, 120–180 BPM

**Matrix switches:** Horizontal: Keyswitches, C1–F#1

	C1	C#1	D1	D#1	E1	F1	F#1
speed/BPM	120	130	140	150	160	170	180

**34 CO Upbeats a1****Samples: 510****RAM: 31 MB****Level 2**

Repetitions: 1 upbeat, 80–140, 160, 180, 200 BPM

**Matrix switches:** Horizontal: Keyswitches, C1–A1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
speed/BPM	80	90	100	110	120	130	140	160	180	200

**35 CO Upbeats a2****Samples: 510****RAM: 31 MB****Level 2**

Repetitions: 2 upbeats, 80–140, 160, 180, 200 BPM

**Matrix switches:** Horizontal: Keyswitches, C1–A1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
speed/BPM	80	90	100	110	120	130	140	160	180	200

**36 CO Upbeats a3****Samples: 510****RAM: 31 MB****Level 2**

Repetitions: 3 upbeats, 80–140, 160, 180, 200 BPM

**Matrix switches:** Horizontal: Keyswitches, C1–A1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
speed/BPM	80	90	100	110	120	130	140	160	180	200

**37 CO Upbeats all****Samples: 1530 RAM: 95 MB Level 2**

Repetitions: 1–3 upbeats, 80–140, 160, 180, 200 BPM

**Matrix switches:** Horizontal: Keyswitches, C1–A1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
1 upbeat	80	90	100	110	120	130	140	160	180	200
2 upbeats	80	90	100	110	120	130	140	160	180	200
3 upbeats	80	90	100	110	120	130	140	160	180	200

**Matrix - LEVEL 2 E - Keyswitch Vel****71 CO Legato - cre5****Samples: 85 RAM: 5 MB Level 2**

Legato notes: Crescendo, keyswitch velocity

Keyswitches control 5 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

**72 CO Portato - cre9****Samples: 153 RAM: 9 MB Level 2**

Portato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

**73 CO Staccato - cre9****Samples: 153 RAM: 9 MB Level 2**

Staccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

**74 CO Combi - cre9****Samples: 306 RAM: 19 MB Level 2**

Portato and staccato: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

**75 CO Legato - dim5****Samples: 85 RAM: 5 MB Level 2**

Legato notes: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

**76 CO Portato - dim9****Samples: 153 RAM: 9 MB Level 2**

Portato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

**77 CO Staccato - dim9****Samples: 153 RAM: 9 MB Level 2**

Staccato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

**78 CO Combi - dim9****Samples: 306 RAM: 19 MB Level 2**

Portato and staccato: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

**Presets****CO VSL Preset Level 1****Samples: 2113 RAM: 132 MB Level 1**

L1 CO Perf-Legato Speed

L1 CO Articulation Combi

Preset keyswitches: C2–C#2

**CO VSL Preset Level 2****Samples: 5663 RAM: 353 MB Level 2**

01 CO Perf-Universal

02 CO Perf-Trill Speed

L1 CO Articulation Combi

31 CO Perf-Repetitions - Combi

74 CO Combi - cre9

Preset keyswitches: C2–E2

# 56 Alto trombone

## Patches

### 01 SHORT + LONG NOTES

Range: G2–E5



Single notes

**Level 1:** Staccato

Portato short

Sustained

**Level 2:** Portato medium

Portato long, marcato and soft

#### 01 ATB\_staccato

Samples: 256

RAM: 16 MB

**Level 1**

Staccato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

2 Alternations

#### 02 ATB\_portato\_short

Samples: 320

RAM: 20 MB

**Level 1**

Portato, short

5 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–118 f; 119–127 ff

2 Alternations

#### 03 ATB\_portato\_medium

Samples: 320

RAM: 20 MB

**Level 2**

Portato, medium

5 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–118 f; 119–127 ff

2 Alternations

#### 04 ATB\_portato\_long\_marc

Samples: 192

RAM: 12 MB

**Level 2**

Portato, long, marcato

3 velocity layers: 0–88 mf; 88–108 f; 109–127 ff

Release samples

#### 05 ATB\_portato\_long\_soft

Samples: 224

RAM: 14 MB

**Level 2**

Portato, long, soft

3 velocity layers: 0–55 p; 56–108 mp; 109–127 f

Release samples

#### 11 ATB\_sus

Samples: 288

RAM: 18 MB

**Level 1**

Sustained

5 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–118 f; 119–127 ff

Release samples

**02 DYNAMICS****Range: G2–D#5**

Single notes

**Level 1:** Fortepiano and sforzato**Level 2:** Medium dynamics, 1.5/2/3/4/6 sec.

Strong dynamics, 2/3/4/6 sec.

Crescendo-diminuendo, 2/3/4/6/8 sec.

Sforzatissimo

**01 ATB\_dyn-me\_1'ss****Samples: 64****RAM: 4 MB****Level 2**

Medium crescendo and diminuendo, 1.5 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

**02 ATB\_dyn-me\_2s****Samples: 64****RAM: 4 MB****Level 2**

Medium crescendo and diminuendo, 2 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

**03 ATB\_dyn-me\_3s****Samples: 64****RAM: 4 MB****Level 2**

Medium crescendo and diminuendo, 3 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

**04 ATB\_dyn-me\_4s****Samples: 64****RAM: 4 MB****Level 2**

Medium crescendo and diminuendo, 4 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

**05 ATB\_dyn-me\_6s****Samples: 64****RAM: 4 MB****Level 2**

Medium crescendo and diminuendo, 6 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

**11 ATB\_dyn-str\_2s****Samples: 32****RAM: 2 MB****Level 2**

Strong crescendo and diminuendo, 2 sec.

1 velocity layer

AB switch: crescendo/diminuendo

**12 ATB\_dyn-str\_3s****Samples: 32****RAM: 2 MB****Level 2**

Strong crescendo and diminuendo, 3 sec.

1 velocity layer

AB switch: crescendo/diminuendo

**13 ATB\_dyn-str\_4s****Samples: 32****RAM: 2 MB****Level 2**

Strong crescendo and diminuendo, 4 sec.

1 velocity layer

AB switch: crescendo/diminuendo


**14 ATB\_dyn-str\_6s****Samples: 32****RAM: 2 MB****Level 2**

Strong crescendo and diminuendo, 6 sec.

1 velocity layer

AB switch: crescendo/diminuendo



<b>21 ATB_pfp_2s</b> Crescendo-diminuendo, 2 sec. 2 velocity layers: 0–88 p; 89–127 f		<b>Samples: 32</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>
<b>22 ATB_pfp_3s</b> Crescendo-diminuendo, 3 sec. 2 velocity layers: 0–88 p; 89–127 f		<b>Samples: 32</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>
<b>23 ATB_pfp_4s</b> Crescendo-diminuendo, 4 sec. 2 velocity layers: 0–88 p; 89–127 f		<b>Samples: 32</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>
<b>24 ATB_pfp_6s</b> Crescendo-diminuendo, 6 sec. 2 velocity layers: 0–88 p; 89–127 f		<b>Samples: 32</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>
<b>25 ATB_pfp_8s</b> Crescendo-diminuendo, 8 sec. 1 velocity layer		<b>Samples: 16</b>	<b>RAM: 1 MB</b>	<b>Level 2</b>
<b>31 ATB_fp</b> Fortepiano 1 velocity layer	<b>Range: G2–E5</b>	<b>Samples: 32</b>	<b>RAM: 2 MB</b>	<b>Level 1</b>
<b>32 ATB_sfz</b> Sforzato 1 velocity layer	<b>Range: G2–E5</b>	<b>Samples: 32</b>	<b>RAM: 2 MB</b>	<b>Level 1</b>
<b>33 ATB_sffz</b> Sforzatissimo 1 velocity layer	<b>Range: G2–E5</b>	<b>Samples: 32</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>
<b>03 FLATTER</b> Single notes <b>Level 1:</b> Flutter tonguing, normal and crescendo	<b>Range: G2–E5</b>			
<b>01 ATB_flutter</b> Flutter tonguing, forte 1 velocity layer Release samples		<b>Samples: 64</b>	<b>RAM: 4 MB</b>	<b>Level 1</b>
<b>02 ATB_flutter_cre</b> Flutter tonguing, crescendo 1 velocity layer		<b>Samples: 32</b>	<b>RAM: 2 MB</b>	<b>Level 1</b>

**10 PERF INTERVAL****Range: G2–D#5**

Interval performances

**Level 1:** Legato**Level 2:** Marcato**01 ATB\_perf-legato****Samples: 788****RAM: 49 MB****Level 1**

Legato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**02 ATB\_perf-marcato****Samples: 788****RAM: 49 MB****Level 2**

Marcato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**11 PERF INTERVAL FAST****Range: G2–D#5**

Fast interval performances

**Level 1:** Legato**Level 2:** Marcato**01 ATB\_perf-legato\_fa****Samples: 844****RAM: 52 MB****Level 1**

Legato, fast

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**02 ATB\_perf-marcato\_fa****Samples: 844****RAM: 52 MB****Level 2**

Marcato, fast

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**12 PERF TRILL****Range: G2–D#5**

Multi interval performances

**Level 2:** Trills, legato, minor to major 2nd**01 ATB\_perf-trill****Samples: 1388****RAM: 86 MB****Level 2**

Performance trills, legato, minor to major 2nd

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**13 PERF REPETITION****Range: G2–D#5**

Repetition performances

**Level 2:** Legato  
 Portato  
 Staccato  
 Normal and dynamics

**01 ATB\_perf-rep\_leg****Samples: 240   RAM: 15 MB   Level 2**

Legato repetitions  
 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

**02 ATB\_perf-rep\_por****Samples: 432   RAM: 27 MB   Level 2**

Portato repetitions  
 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

**03 ATB\_perf-rep\_sta****Samples: 384   RAM: 24 MB   Level 2**

Staccato repetitions  
 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

**11 ATB\_perf-rep\_dyn5\_leg****Samples: 160   RAM: 10 MB   Level 2**

Legato dynamics, 5 repetitions  
 1 velocity layer  
 AB switch: crescendo/diminuendo

**12 ATB\_perf-rep\_dyn9\_por****Samples: 288   RAM: 18 MB   Level 2**

Portato dynamics, 9 repetitions  
 1 velocity layer  
 AB switch: crescendo/diminuendo

**13 ATB\_perf-rep\_dyn9\_sta****Samples: 288   RAM: 18 MB   Level 2**

Staccato dynamics, 9 repetitions  
 1 velocity layer  
 AB switch: crescendo/diminuendo

**14 FAST REPETITION****Range: G2–D#5**

Fast repetitions

**Level 2:** Staccato, 120 to 180 BPM  
 Normal and dynamics

**01 ATB\_fast-rep\_120 (130/140/150/160/170/180)****Samples: 96   RAM: 6 MB   Level 2**

Staccato, 9 repetitions, 120–180 BPM  
 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f  
 Release samples

**11 ATB\_fast-rep\_120\_dyn (130/140/150/160/170/180)****Samples: 32   RAM: 2 MB   Level 2**

Staccato, 9 repetitions, 120–180 BPM, crescendo and diminuendo  
 1 velocity layer  
 AB switch: crescendo/diminuendo

**15 UPBEAT REPETITION****Range: G2–D#5**

Upbeat repetitions

**Level 2:** 1, 2, and 3 upbeats, 80–140, 160, 180, and 200 BPM**15 UPBEAT REPETITION/A Single Upbeat****Range: G2–D#5****01 ATB\_UB-a1\_80 (90/100/110/120/130/140/160/180/200)****Samples: 48****RAM: 3 MB****Level 2**

1 upbeat, 80–140, 160, 180, and 200 BPM

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

**15 UPBEAT REPETITION/B Double Upbeats****Range: G2–D#5****01 ATB\_UB-a2\_80 (90/100/110/120/130/140/160/180/200)****Samples: 48****RAM: 3 MB****Level 2**

2 upbeats, 80–140, 160, 180, and 200 BPM

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

**15 UPBEAT REPETITION/C Triple Upbeats****Range: G2–D#5****01 ATB\_UB-a3\_80 (90/100/110/120/130/140/160/180/200)****Samples: 48****RAM: 3 MB****Level 2**

3 upbeats, 80–140, 160, 180, and 200 BPM

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

**16 GLISSANDI**

Interval performances/Phrases

**Level 2:** Performance glissandos, fast and slow, minor 2nd to diminished 5th

Fixed glissandos, fast and slow, minor 2nd/3rd to diminished 5th, up and down

Please note that fixed glissandos have different up and down ranges.

**01 ATB\_perf-gliss\_fa****Range: G2–D#5****Samples: 936****RAM: 58 MB****Level 2**

Interval performances: Glissando, fast, minor 2nd to diminished 5th

2 velocity layers: 0–88 p; 89–127 f

Release samples

**02 ATB\_perf-gliss\_sl****Range: G2–D#5****Samples: 770****RAM: 48 MB****Level 2**

Interval performances: Glissando, slow, minor 2nd to diminished 5th

2 velocity layers: 0–88 p; 89–127 f

Release samples

**11 ATB\_gliss-fa-1****Range: G2–D#5****Samples: 180****RAM: 11 MB****Level 2**

Glissando, fast, minor 2nd

2 velocity layers: 0–88 p; 89–127 f

Release samples

AB switch: up/down

<b>12 ATB_gliss-fa-2</b> Glissando, fast, major 2nd 2 velocity layers: 0–88 p; 89–127 f Release samples AB switch: up/down	<b>Range: G2–D#5</b>	<b>Samples: 172</b>	<b>RAM: 10 MB</b>	<b>Level 2</b>
<b>13 ATB_gliss-fa-3</b> Glissando, fast, minor 3rd 2 velocity layers: 0–88 p; 89–127 f Release samples AB switch: up/down	<b>Range: G2–D#5</b>	<b>Samples: 160</b>	<b>RAM: 10 MB</b>	<b>Level 2</b>
<b>14 ATB_gliss-fa-4</b> Glissando, fast, major 3rd 2 velocity layers: 0–88 p; 89–127 f Release samples AB switch: up/down	<b>Range: G2–D#5</b>	<b>Samples: 144</b>	<b>RAM: 9 MB</b>	<b>Level 2</b>
<b>15 ATB_gliss-fa-5</b> Glissando, fast, 4th 2 velocity layers: 0–88 p; 89–127 f Release samples AB switch: up/down	<b>Range: G2–D#5</b>	<b>Samples: 120</b>	<b>RAM: 7 MB</b>	<b>Level 2</b>
<b>16 ATB_gliss-fa-6</b> Glissando, fast, diminished 5th 2 velocity layers: 0–88 p; 89–127 f Release samples AB switch: up/down	<b>Range: G2–D#5</b>	<b>Samples: 92</b>	<b>RAM: 5 MB</b>	<b>Level 2</b>
<b>21 ATB_gliss-sl-3</b> Glissando, slow, minor 3rd 2 velocity layers: 0–88 p; 89–127 f Release samples AB switch: up/down	<b>Range: G2–D#5</b>	<b>Samples: 120</b>	<b>RAM: 7 MB</b>	<b>Level 2</b>
<b>22 ATB_gliss-sl-4</b> Glissando, slow, major 3rd 2 velocity layers: 0–88 p; 89–127 f Release samples AB switch: up/down	<b>Range: G2–D#5</b>	<b>Samples: 112</b>	<b>RAM: 7 MB</b>	<b>Level 2</b>
<b>23 ATB_gliss-sl-5</b> Glissando, slow, 4th 2 velocity layers: 0–88 p; 89–127 f Release samples AB switch: up/down	<b>Range: G2–D#5</b>	<b>Samples: 96</b>	<b>RAM: 6 MB</b>	<b>Level 2</b>
<b>24 ATB_gliss-sl-6</b> Glissando, slow, diminished 5th 2 velocity layers: 0–88 p; 89–127 f Release samples AB switch: up/down	<b>Range: G2–D#5</b>	<b>Samples: 88</b>	<b>RAM: 5 MB</b>	<b>Level 2</b>

**98 RESOURCES**

Resources

**Level 2:** Isolated dynamics repetitions: Legato, portato, staccato  
Single layer long notes

**98 RESOURCES/01 Perf Rep dyn****Range: G2–D#5****01 ATB\_rep\_cre5\_leg-1 (2/3/4/5)****Samples: 16****RAM: 1 MB****Level 2**

Extracted repetition

Legato, crescendo, 1st to 5th note

1 velocity layer

**01 ATB\_rep\_dim5\_leg-1 (2/3/4/5)****Samples: 16****RAM: 1 MB****Level 2**

Extracted repetition

Legato, diminuendo, 1st to 5th note

1 velocity layer

**02 ATB\_rep\_cre9\_por-1 (2/3/4/5/6/7/8/9)****Samples: 16****RAM: 1 MB****Level 2**

Extracted repetition

Portato, crescendo, 1st to 9th note

1 velocity layer

**02 ATB\_rep\_dim9\_por-1 (2/3/4/5/6/7/8/9)****Samples: 16****RAM: 1 MB****Level 2**

Extracted repetition

Portato, diminuendo, 1st to 9th note

1 velocity layer

**03 ATB\_rep\_cre9\_sta-1 (2/3/4/5/6/7/8/9)****Samples: 16****RAM: 1 MB****Level 2**

Extracted repetition

Staccato, crescendo, 1st to 9th note

1 velocity layer

**03 ATB\_rep\_dim9\_sta-1 (2/3/4/5/6/7/8/9)****Samples: 16****RAM: 1 MB****Level 2**

Extracted repetition

Staccato, diminuendo, 1st to 9th note

1 velocity layer

**98 RESOURCES/02 Long Notes - Single Layer****Range: G2–E5****01 ATB\_sus\_p****Samples: 64****RAM: 4 MB****Level 2**

Sustained, piano

1 velocity layer

Release samples

**02 ATB\_sus\_mp****Samples: 64****RAM: 4 MB****Level 2**

Sustained, mezzopiano

1 velocity layer

Release samples

<b>03 ATB_sus_mf</b> Sustained, mezzoforte 1 velocity layer Release samples	<b>Samples: 64</b>	<b>RAM: 4 MB</b>	<b>Level 2</b>
<b>04 ATB_sus_f</b> Sustained, forte 1 velocity layer Release samples	<b>Samples: 64</b>	<b>RAM: 4 MB</b>	<b>Level 2</b>
<b>05 ATB_sus_ff</b> Sustained, fortissimo 1 velocity layer Release samples	<b>Samples: 64</b>	<b>RAM: 4 MB</b>	<b>Level 2</b>

## 99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

# Matrices

## Matrix - LEVEL 1

### L1 ATB Articulation Combi

**Samples: 1024 RAM: 64 MB**
**Level 1**

Single note articulations

Staccato, portato short, sustained, fortepiano and sforzato, flutter tonguing normal and crescendo

**Matrix switches:** Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
V1	stac	sustained	fp	flutter
V2	port. short	sustained	sfz	flutter cres.

### L1 ATB Perf-Legato Speed

**Samples: 964 RAM: 60 MB**
**Level 1**

Interval performances

Legato normal and fast

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones

	H1	H2
legato	normal	fast

## Matrix - LEVEL 2 A - Advanced

### 01 ATB Perf-Universal

**Samples: 1864 RAM: 116 MB**
**Level 2**

Interval performances

Legato normal and fast

Marcato normal and fast

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato normal	legato fast
V2	marcato normal	marcato fast

### 02 ATB Perf-Trill Speed

**Samples: 1508 RAM: 94 MB**
**Level 2**

Multi interval performances

Legato and trills

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills



**03 ATB Short+Long notes - All****Samples: 1408 RAM: 88 MB Level 2**

Single notes

Staccato

Portato short and medium

Portato long, marcato and with soft attack

Sustained

**Matrix switches:** Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato	port. short	port. med.	port. med.	sustained
V2	%	%	%	port. long marcato	%
V3	%	%	%	port. long soft	%

**Matrix - LEVEL 2 B - Standard****11 ATB Perf-Legato Speed****Samples: 964 RAM: 60 MB Level 2**

Interval performances

Legato normal and fast

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones

	H1	H2
legato	normal	fast

**12 ATB Perf-Marcato Speed****Samples: 964 RAM: 60 MB Level 2**

Interval performances

Marcato normal and fast

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones

	H1	H2
marcato	normal	fast

**13 ATB Dynamics - Small****Samples: 288 RAM: 18 MB Level 2**

Medium crescendo and diminuendo, 2, 3, and 4 sec.

Fortepiano, sforzato, sforzatissimo

**Matrix switches:** Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
dyn. medium	2 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

**14 ATB Dynamics - Large****Samples: 608 RAM: 38 MB Level 2**

Medium and strong crescendo and diminuendo, 2, 3, 4, and 6 sec.

Crescendo-diminuendo, 2, 3, 4, and 6 sec.

Fortepiano, sforzato, sforzatissimo

**Matrix switches:** Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1
dyn. medium	2 sec.	3 sec.	4 sec.	6 sec.
dyn. strong	2 sec.	3 sec.	4 sec.	6 sec.
pfp	2 sec.	3 sec.	4 sec.	6 sec.
fp/sfz	fp	sfz	sffz	sffz

**15 ATB Flatter****Samples: 96****RAM: 6 MB****Level 2**

Flutter tonguing

Normal, crescendo, and normal/crescendo with Cell crossfading

**Matrix switches:** Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
flutter	normal	crescendo	Cell XF

**Matrix - LEVEL 2 C - Repetitions****31 ATB Perf-Repetitions - Combi****Samples: 1056 RAM: 66 MB****Level 2**

Repetition performances

Legato, portato, staccato

**Matrix switches:** Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
V1	legato	portato	staccato

**32 ATB Perf-Repetitions - Speed****Samples: 1056 RAM: 66 MB****Level 2**

Repetition performances

Legato, portato, staccato

Speed controller

**Matrix switches:** Horizontal: Speed, 3 zones

	H1	H2	H3
V1	legato	portato	staccato

**33 ATB Fast-Repetitions****Samples: 384****RAM: 24 MB****Level 2**

Fast repetitions: Staccato, 120–180 BPM

**Matrix switches:** Horizontal: Keyswitches, C1–F#1

	C1	C#1	D1	D#1	E1	F1	F#1
speed/BPM	120	130	140	150	160	170	180

**34 ATB Upbeats a1****Samples: 480****RAM: 30 MB****Level 2**

Repetitions: 1 upbeat, 80–140, 160, 180, 200 BPM

**Matrix switches:** Horizontal: Keyswitches, C1–A1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
speed/BPM	80	90	100	110	120	130	140	160	180	200

**35 ATB Upbeats a2****Samples: 480****RAM: 30 MB****Level 2**

Repetitions: 2 upbeats, 80–140, 160, 180, 200 BPM

**Matrix switches:** Horizontal: Keyswitches, C1–A1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
speed/BPM	80	90	100	110	120	130	140	160	180	200

**36 ATB Upbeats a3****Samples: 480****RAM: 30 MB****Level 2**

Repetitions: 3 upbeats, 80–140, 160, 180, 200 BPM

**Matrix switches:** Horizontal: Keyswitches, C1–A1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
speed/BPM	80	90	100	110	120	130	140	160	180	200

**37 ATB Upbeats all****Samples: 1440 RAM: 90 MB Level 2**

Repetitions: 1–3 upbeats, 80–140, 160, 180, 200 BPM

**Matrix switches:** Horizontal: Keyswitches, C1–A1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
1 upbeat	80	90	100	110	120	130	140	160	180	200
2 upbeats	80	90	100	110	120	130	140	160	180	200
3 upbeats	80	90	100	110	120	130	140	160	180	200

**Matrix - LEVEL 2 E - Keyswitch Vel****71 ATB Legato - cre5****Samples: 80 RAM: 5 MB Level 2**

Legato notes: Crescendo, keyswitch velocity

Keyswitches control 5 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

**72 ATB Portato - cre9****Samples: 144 RAM: 9 MB Level 2**

Portato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

**73 ATB Staccato - cre9****Samples: 144 RAM: 9 MB Level 2**

Staccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

**74 ATB Combi - cre9****Samples: 288 RAM: 18 MB Level 2**

Portato and staccato: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

**75 ATB Legato - dim5****Samples: 80 RAM: 5 MB Level 2**

Legato notes: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

**76 ATB Portato - dim9****Samples: 144 RAM: 9 MB Level 2**

Portato notes: Diminuendo, keyswitch velocity  
 Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

**77 ATB Staccato - dim9****Samples: 144 RAM: 9 MB Level 2**

Staccato notes: Diminuendo, keyswitch velocity  
 Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

**78 ATB Combi - dim9****Samples: 288 RAM: 18 MB Level 2**

Portato and staccato: Diminuendo, keyswitch velocity  
 Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

## Presets

**ATB VSL Preset Level 1****Samples: 1924 RAM: 120 MB Level 1**

L1 ATB Perf-Legato Speed  
 L1 ATB Articulation Combi  
 Preset keyswitches: C2–C#2

**ATB VSL Preset Level 2****Samples: 4888 RAM: 305 MB Level 2**

01 ATB Perf-Universal  
 02 ATB Perf-Trill Speed  
 L1 ATB Articulation Combi  
 31 ATB Perf-Repetitions - Combi  
 74 ATB Combi - cre9  
 Preset keyswitches: C2–E2

# 59 Euphonium

## Patches

### 01 SHORT + LONG NOTES

Range: D2–C5



Single notes

**Level 1:** Staccato

Portato short

Sustained

**Level 2:** Portato medium

Portato long, marcato and soft

#### 01 EU\_staccato

Samples: 198

RAM: 12 MB

**Level 1**

Staccato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

2 Alternations

#### 02 EU\_portato\_short

Samples: 264

RAM: 16 MB

**Level 1**

Portato, short

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

2 Alternations

#### 03 EU\_portato\_medium

Samples: 264

RAM: 16 MB

**Level 2**

Portato, medium

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

2 Alternations

#### 04 EU\_portato\_long\_soft

Samples: 162

RAM: 10 MB

**Level 2**

Portato, long, soft

2 velocity layers: 0–88 mf; 89–127 f

Release samples

#### 05 EU\_portato\_long\_marc

Samples: 136

RAM: 8 MB

**Level 2**

Portato, long, marcato

2 velocity layers: 0–88 p; 89–127 f

Release samples

#### 11 EU\_sus

Range: C1–C5

Samples: 384

RAM: 24 MB

**Level 1**

Sustained

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

**02 DYNAMICS****Range: D2–C5**

Single notes

**Level 1:** Fortepiano and sforzato**Level 2:** Medium dynamics, 1.5/2/3/5 sec.

Strong dynamics, 2/3/5 sec.

Crescendo-diminuendo, 2/3/4/6/8 sec.

Sforzatissimo

**01 EU\_dyn-me\_1'5s****Samples: 68****RAM: 4 MB****Level 2**

Medium crescendo and diminuendo, 1.5 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

**01 EU\_dyn-me\_2s****Samples: 68****RAM: 4 MB****Level 2**

Medium crescendo and diminuendo, 2 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

**02 EU\_dyn-me\_3s****Samples: 68****RAM: 4 MB****Level 2**

Medium crescendo and diminuendo, 3 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

**03 EU\_dyn-me\_5s****Samples: 68****RAM: 4 MB****Level 2**

Medium crescendo and diminuendo, 5 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

**11 EU\_dyn-str\_2s****Samples: 34****RAM: 2 MB****Level 2**

Strong crescendo and diminuendo, 2 sec.

1 velocity layer

AB switch: crescendo/diminuendo

**12 EU\_dyn-str\_3s****Samples: 34****RAM: 2 MB****Level 2**

Strong crescendo and diminuendo, 3 sec.

1 velocity layer

AB switch: crescendo/diminuendo

**13 EU\_dyn-str\_5s****Samples: 34****RAM: 2 MB****Level 2**

Strong crescendo and diminuendo, 5 sec.

1 velocity layer

AB switch: crescendo/diminuendo

**21 EU\_pfp\_2s****Samples: 34****RAM: 2 MB****Level 2**

Crescendo-diminuendo, 2 sec.

2 velocity layers: 0–88 p; 89–127 f

**22 EU\_pfp\_3s****Samples: 34****RAM: 2 MB****Level 2**

Crescendo-diminuendo, 3 sec.

2 velocity layers: 0–88 p; 89–127 f

<b>23 EU_pfp_4s</b> Crescendo-diminuendo, 4 sec. 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 34</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>
<b>24 EU_pfp_6s</b> Crescendo-diminuendo, 6 sec. 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 34</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>
<b>25 EU_pfp_8s</b> Crescendo-diminuendo, 8 sec. 1 velocity layer	<b>Samples: 17</b>	<b>RAM: 1 MB</b>	<b>Level 2</b>
<b>31 EU_fp</b> Fortepiano 1 velocity layer	<b>Samples: 33</b>	<b>RAM: 2 MB</b>	<b>Level 1</b>
<b>32 EU_sfz</b> Sforzato 1 velocity layer	<b>Samples: 33</b>	<b>RAM: 2 MB</b>	<b>Level 1</b>
<b>33 EU_sffz</b> Sforzatissimo 1 velocity layer	<b>Samples: 33</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>

**03 FLATTER**

Range: D2–C5



Single notes

**Level 1:** Flutter tonguing, normal and crescendo

<b>01 EU_flutter</b> Flutter tonguing, forte 1 velocity layer Release samples	<b>Samples: 34</b>	<b>RAM: 2 MB</b>	<b>Level 1</b>
<b>02 EU_flutter_cre</b> Flutter tonguing, crescendo 1 velocity layer	<b>Samples: 17</b>	<b>RAM: 1 MB</b>	<b>Level 1</b>

**10 PERF INTERVAL**

Range: D2–A#4



Interval performances

**Level 1:** Legato**Level 2:** Marcato

<b>01 EU_perf-legato</b> Legato Monophonic 2 velocity layers: 0–88 p; 89–127 f Release samples	<b>Samples: 794</b>	<b>RAM: 49 MB</b>	<b>Level 1</b>
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**02 EU\_perf-marcato****Samples: 794   RAM: 49 MB   Level 2**

Marcato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**11 PERF INTERVAL FAST****Range: D2–A#4**

Fast interval performances

**Level 1:** Legato**Level 2:** Marcato**01 EU\_perf-legato\_fa****Samples: 854   RAM: 53 MB   Level 1**

Legato, fast

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**02 EU\_perf-marcato\_fa****Samples: 854   RAM: 53 MB   Level 2**

Marcato, fast

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**12 PERF TRILL****Range: D2–A#4**

Multi interval performances

**Level 2:** Trills, legato, minor to major 2nd**01 EU\_perf-trill****Samples: 1418   RAM: 88 MB   Level 2**

Performance trills, legato, minor to major 2nd

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**13 PERF REPETITION****Range: D2–C5**

Repetition performances

**Level 2:** Legato

Portato

Staccato

Normal and dynamics

**01 EU\_perf-rep\_leg****Samples: 170   RAM: 10 MB   Level 2**

Legato repetitions




2 velocity layers: 0–88 p; 89–127 f

**02 EU\_perf-rep\_por****Samples: 306   RAM: 19 MB   Level 2**

Portato repetitions

2 velocity layers: 0–88 p; 89–127 f



<b>03 EU_perf-rep_sta</b> Staccato repetitions 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 306</b>	<b>RAM: 19 MB</b>	<b>Level 2</b>
<b>11 EU_perf-rep_dyn5_leg</b> Legato dynamics, 5 repetitions 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 170</b>	<b>RAM: 10 MB</b>	<b>Level 2</b>
<b>12 EU_perf-rep_dyn9_por</b> Portato dynamics, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 306</b>	<b>RAM: 19 MB</b>	<b>Level 2</b>
<b>13 EU_perf-rep_dyn9_sta</b> Staccato dynamics, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 306</b>	<b>RAM: 19 MB</b>	<b>Level 2</b>
<b>14 FAST REPETITION</b> Fast repetitions <b>Level 2:</b> Staccato, 120 to 180 BPM Normal and dynamics			
<b>01 EU_fast-rep_120 (130/140/150/160/170/180)</b> Staccato, 9 repetitions, 120–180 BPM 2 velocity layers: 0–88 p; 89–127 f Release samples	<b>Samples: 68</b>	<b>RAM: 4 MB</b>	<b>Level 2</b>
<b>11 EU_fast-rep_120_dyn (130/140/150/160/170/180)</b> Staccato, 9 repetitions, 120–180 BPM, crescendo and diminuendo 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 34</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>
<b>15 UPBEAT REPETITION</b> Upbeat repetitions <b>Level 2:</b> 1, 2, and 3 upbeats, 80–140, 160, 180, and 200 BPM			
<b>15 UPBEAT REPETITION/A Single Upbeat</b>			
<b>01 EU_UB-a1_80 (90/100/110/120/130/140/160/180/200)</b> 1 upbeat, 80–140, 160, 180, and 200 BPM 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 34</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>


**15 UPBEAT REPETITION/B Double Upbeats**      **Range: D2–C5**
**01 EU\_UB-a2\_80 (90/100/110/120/130/140/160/180/200)**
**Samples: 34****RAM: 2 MB****Level 2**

2 upbeats, 80–140, 160, 180, and 200 BPM

2 velocity layers: 0–88 p; 89–127 f


**15 UPBEAT REPETITION/C Triple Upbeats**      **Range: D2–C5**
**01 EU\_UB-a3\_80 (90/100/110/120/130/140/160/180/200)**
**Samples: 34****RAM: 2 MB****Level 2**

3 upbeats, 80–140, 160, 180, and 200 BPM

2 velocity layers: 0–88 p; 89–127 f

**98 RESOURCES**

Resources

**Level 2:** Isolated dynamics repetitions: Legato, portato, staccato

Single layer long notes

**98 RESOURCES/01 Perf Rep dyn**
**Range: D2–C5**
**01 EU\_rep\_cre5\_leg-1 (2/3/4/5)**
**Samples: 17****RAM: 1 MB****Level 2**

Extracted repetition

Legato, crescendo, 1st to 5th note

1 velocity layer

**01 EU\_rep\_dim5\_leg-1 (2/3/4/5)**
**Samples: 17****RAM: 1 MB****Level 2**

Extracted repetition

Legato, diminuendo, 1st to 5th note

1 velocity layer

**02 EU\_rep\_cre9\_por-1 (2/3/4/5/6/7/8/9)**
**Samples: 17****RAM: 1 MB****Level 2**

Extracted repetition

Portato, crescendo, 1st to 9th note

1 velocity layer

**02 EU\_rep\_dim9\_por-1 (2/3/4/5/6/7/8/9)**
**Samples: 17****RAM: 1 MB****Level 2**

Extracted repetition

Portato, diminuendo, 1st to 9th note

1 velocity layer

**03 EU\_rep\_cre9\_sta-1 (2/3/4/5/6/7/8/9)**
**Samples: 17****RAM: 1 MB****Level 2**

Extracted repetition

Staccato, crescendo, 1st to 9th note

1 velocity layer

**03 EU\_rep\_dim9\_sta-1 (2/3/4/5/6/7/8/9)**
**Samples: 17****RAM: 1 MB****Level 2**

Extracted repetition

Staccato, diminuendo, 1st to 9th note

1 velocity layer

**98 RESOURCES/02 Long Notes - Single Layer    Range: C1–C5**

<b>01 EU_sus_p</b> Sustained, piano 1 velocity layer Release samples	<b>Samples: 96</b>	<b>RAM: 6 MB</b>	<b>Level 2</b>
<b>02 EU_sus_mf</b> Sustained, mezzoforte 1 velocity layer Release samples	<b>Samples: 96</b>	<b>RAM: 6 MB</b>	<b>Level 2</b>
<b>03 EU_sus_f</b> Sustained, forte 1 velocity layer Release samples	<b>Samples: 96</b>	<b>RAM: 6 MB</b>	<b>Level 2</b>
<b>04 EU_sus_ff</b> Sustained, fortissimo 1 velocity layer Release samples	<b>Samples: 96</b>	<b>RAM: 6 MB</b>	<b>Level 2</b>

**99 RELEASE**

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

# Matrices

## Matrix - LEVEL 1

### L1 EU Articulation Combi

Samples: 963 RAM: 60 MB **Level 1**

Single note articulations

Staccato, portato short, sustained, fortepiano and sforzato, flutter tonguing normal and crescendo

**Matrix switches:** Horizontal: Keyswitches, C6–D#6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6
V1	stac	sustained	fp	flutter
V2	port. short	sustained	sfz	flutter cres.

### L1 EU Perf-Legato Speed

Samples: 974 RAM: 60 MB **Level 1**

Interval performances

Legato normal and fast

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones

	H1	H2
legato	normal	fast

## Matrix - LEVEL 2 A - Advanced

### 01 EU Perf-Universal

Samples: 1878 RAM: 117 MB **Level 2**

Interval performances

Legato normal and fast

Marcato normal and fast

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato normal	legato fast
V2	marcato normal	marcato fast

### 02 EU Perf-Trill Speed

Samples: 1538 RAM: 96 MB **Level 2**

Multi interval performances

Legato and trills

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

**03 EU Short+Long notes - All****Samples: 1242 RAM: 77 MB Level 2**

Single notes

Staccato

Portato short and medium

Portato long, with soft attack and marcato

Sustained

**Matrix switches:** Horizontal: Keyswitches, C6–E6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6
V1	staccato	port. short	port. med.	port. long soft	sustained
V2	%	%	%	port. long marcato	%

**Matrix - LEVEL 2 B - Standard****11 EU Perf-Legato Speed****Samples: 974 RAM: 60 MB Level 2**

Interval performances

Legato normal and fast

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones

	H1	H2
legato	normal	fast

**12 EU Perf-Marcato Speed****Samples: 974 RAM: 60 MB Level 2**

Interval performances

Marcato normal and fast

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones

	H1	H2
marcato	normal	fast

**13 EU Dynamics - Small****Samples: 303 RAM: 18 MB Level 2**

Medium crescendo and diminuendo, 2, 3, and 5 sec.

Fortepiano, sforzato, sforzatissimo

**Matrix switches:** Horizontal: Keyswitches, C6–D6 Vertical: Modwheel, 4 zones

	C6	C#6	D6
dyn. medium	2 sec.	3 sec.	5 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

**14 EU Dynamics - Large****Samples: 609 RAM: 38 MB Level 2**

Medium crescendo and diminuendo, 1.5, 2, 3, and 5 sec.

Strong crescendo and diminuendo, 2, 3, 4, and 6 sec.

Crescendo-diminuendo with vibrato, 2, 3, 4, and 6 sec.

Fortepiano, sforzato, sforzatissimo

**Matrix switches:** Horizontal: Keyswitches, C6–D#6 Vertical: Modwheel, 4 zones

	C6	C#6	D6	D#6
dyn. medium	1.5 sec.	2 sec.	3 sec.	5 sec.
dyn. strong	2 sec.	2 sec.	3 sec.	5 sec.
pfp vib.	2 sec.	3 sec.	4 sec.	6 sec.
fp/sfz	fp	sfz	sffz	sffz

**15 EU Flatter****Samples: 51****RAM: 3 MB****Level 2**

Flutter tonguing

Normal, crescendo, and normal/crescendo with Cell crossfading

**Matrix switches:** Horizontal: Keyswitches, C6–D6

	C6	C#6	D6
flutter	normal	crescendo	Cell XF

**Matrix - LEVEL 2 C - Repetitions****31 EU Perf-Repetitions - Combi****Samples: 782****RAM: 48 MB****Level 2**

Repetition performances

Legato, portato, staccato

**Matrix switches:** Horizontal: Keyswitches, C6–D6

	C6	C#6	D6
V1	legato	portato	staccato

**32 EU Perf-Repetitions - Speed****Samples: 782****RAM: 48 MB****Level 2**

Repetition performances

Legato, portato, staccato

Speed controller

**Matrix switches:** Horizontal: Speed, 3 zones

	H1	H2	H3
V1	legato	portato	staccato

**33 EU Fast-Repetitions****Samples: 272****RAM: 17 MB****Level 2**

Fast repetitions: Staccato, 120–180 BPM

**Matrix switches:** Horizontal: Keyswitches, C6–F#6

	C6	C#6	D6	D#6	E6	F6	F#6
speed/BPM	120	130	140	150	160	170	180

**34 EU Upbeats a1****Samples: 340****RAM: 21 MB****Level 2**

Repetitions: 1 upbeat, 80–140, 160, 180, 200 BPM

**Matrix switches:** Horizontal: Keyswitches, C6–A6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6	A6
speed/BPM	80	90	100	110	120	130	140	160	180	200

**35 EU Upbeats a2****Samples: 340****RAM: 21 MB****Level 2**

Repetitions: 2 upbeats, 80–140, 160, 180, 200 BPM

**Matrix switches:** Horizontal: Keyswitches, C6–A6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6	A6
speed/BPM	80	90	100	110	120	130	140	160	180	200

**36 EU Upbeats a3****Samples: 340****RAM: 21 MB****Level 2**

Repetitions: 3 upbeats, 80–140, 160, 180, 200 BPM

**Matrix switches:** Horizontal: Keyswitches, C6–A6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6	A6
speed/BPM	80	90	100	110	120	130	140	160	180	200

**37 EU Upbeats all****Samples: 1020 RAM: 63 MB Level 2**

Repetitions: 1–3 upbeats, 80–140, 160, 180, 200 BPM

**Matrix switches:** Horizontal: Keyswitches, C6–A6 Vertical: Modwheel, 3 zones

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6	A6
1 upbeat	80	90	100	110	120	130	140	160	180	200
2 upbeats	80	90	100	110	120	130	140	160	180	200
3 upbeats	80	90	100	110	120	130	140	160	180	200

**Matrix - LEVEL 2 E - Keyswitch Vel****71 EU Legato - cre5****Samples: 85 RAM: 5 MB Level 2**

Legato notes: Crescendo, keyswitch velocity

Keyswitches control 5 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
velocity	1st	2nd	3rd	4th	5th

**72 EU Portato - cre9****Samples: 153 RAM: 9 MB Level 2**

Portato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

**73 EU Staccato - cre9****Samples: 153 RAM: 9 MB Level 2**

Staccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

**74 EU Combi - cre9****Samples: 306 RAM: 19 MB Level 2**

Portato and staccato: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C6–G#6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

**75 EU Legato - dim5****Samples: 85 RAM: 5 MB Level 2**

Legato notes: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
velocity	1st	2nd	3rd	4th	5th

**76 EU Portato - dim9****Samples: 153 RAM: 9 MB Level 2**

Portato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

**77 EU Staccato - dim9****Samples: 153 RAM: 9 MB Level 2**

Staccato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

**78 EU Combi - dim9****Samples: 306 RAM: 19 MB Level 2**

Portato and staccato: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C6–G#6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

**Presets**

**EU VSL Preset Level 1****Samples: 1867 RAM: 116 MB Level 1**

L1 EU Perf-Legato Speed

L1 EU Articulation Combi

Preset keyswitches: C7–C#7

**EU VSL Preset Level 2****Samples: 4603 RAM: 287 MB Level 2**

01 EU Perf-Universal

02 EU Perf-Trill Speed

L1 EU Articulation Combi

31 EU Perf-Repetitions - Combi

74 EU Combi - cre9

Preset keyswitches: C7–E7



# 63 Trumpets - a6

## Patches

### 01 SHORT + LONG NOTES

Range: F#3–C6



Single notes

**Level 1:** Staccato

Portato short

Sustained

**Level 2:** Portato medium

#### 01 Tr-6\_staccato

Samples: 174

RAM: 10 MB

**Level 1**

Staccato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

2 Alternations

#### 02 Tr-6\_portato\_short

Samples: 120

RAM: 7 MB

**Level 1**

Portato, short

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

2 Alternations

#### 03 Tr-6\_portato\_medium

Samples: 120

RAM: 7 MB

**Level 2**

Portato, medium

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

2 Alternations

#### 11 Tr-6\_sus

Samples: 203

RAM: 12 MB

**Level 1**

Sustained

5 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–118 f; 119–127 blaring (ff)

Release samples

2 Alternations

### 02 DYNAMICS

Range: F#3–C6



Single notes

**Level 1:** Fortepiano and sforzato**Level 2:** Medium dynamics, 1.5/2/3/4/5 sec.

Strong dynamics, 2/3/4/5 sec.

Crescendo-diminuendo, 2/3/4/6/8/10 sec.

Sforzatissimo

#### 01 Tr-6\_dyn-me\_1'5s

Samples: 60

RAM: 3 MB

**Level 2**

Medium crescendo and diminuendo, 1.5 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

<b>02 Tr-6_dyn-me_2s</b> Medium crescendo and diminuendo, 2 sec. 2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf AB switch: crescendo/diminuendo	<b>Samples: 60</b>	<b>RAM: 3 MB</b>	<b>Level 2</b>
<b>03 Tr-6_dyn-me_3s</b> Medium crescendo and diminuendo, 3 sec. 2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf AB switch: crescendo/diminuendo	<b>Samples: 60</b>	<b>RAM: 3 MB</b>	<b>Level 2</b>
<b>04 Tr-6_dyn-me_4s</b> Medium crescendo and diminuendo, 4 sec. 2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf AB switch: crescendo/diminuendo	<b>Samples: 56</b>	<b>RAM: 3 MB</b>	<b>Level 2</b>
<b>05 Tr-6_dyn-me_5s</b> Medium crescendo and diminuendo, 5 sec. 2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf AB switch: crescendo/diminuendo	<b>Samples: 56</b>	<b>RAM: 3 MB</b>	<b>Level 2</b>
<b>11 Tr-6_dyn-str_2s</b> Strong crescendo and diminuendo, 2 sec. 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 28</b>	<b>RAM: 1 MB</b>	<b>Level 2</b>
<b>12 Tr-6_dyn-str_3s</b> Strong crescendo and diminuendo, 3 sec. 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 28</b>	<b>RAM: 1 MB</b>	<b>Level 2</b>
<b>13 Tr-6_dyn-str_4s</b> Strong crescendo and diminuendo, 4 sec. 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 30</b>	<b>RAM: 1 MB</b>	<b>Level 2</b>
<b>14 Tr-6_dyn-str_5s</b> Strong crescendo and diminuendo, 5 sec. 1 velocity layer AB switch: crescendo/diminuendo	<b>Samples: 30</b>	<b>RAM: 1 MB</b>	<b>Level 2</b>
<b>21 Tr-6_pfp_2s</b> Crescendo-diminuendo, 2 sec. 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 28</b>	<b>RAM: 1 MB</b>	<b>Level 2</b>
<b>22 Tr-6_pfp_3s</b> Crescendo-diminuendo, 3 sec. 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 28</b>	<b>RAM: 1 MB</b>	<b>Level 2</b>
<b>23 Tr-6_pfp_4s</b> Crescendo-diminuendo, 4 sec. 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 28</b>	<b>RAM: 1 MB</b>	<b>Level 2</b>

<b>24 Tr-6_pfp_6s</b> Crescendo-diminuendo, 6 sec. 2 velocity layers: 0–88 p; 89–127 f	<b>Samples: 28</b>	<b>RAM: 1 MB</b>	<b>Level 2</b>
<b>25 Tr-6_pfp_8s</b> Crescendo-diminuendo, 8 sec. 1 velocity layer	<b>Samples: 14</b>	<b>RAM: 1 MB</b>	<b>Level 2</b>
<b>26 Tr-6_pfp_10s</b> Crescendo-diminuendo, 10 sec. 1 velocity layer	<b>Samples: 14</b>	<b>RAM: 1 MB</b>	<b>Level 2</b>
<b>31 Tr-6_fp</b> Fortepiano 1 velocity layer	<b>Samples: 15</b>	<b>RAM: 1 MB</b>	<b>Level 1</b>
<b>32 Tr-6_sfz</b> Sforzato 1 velocity layer	<b>Samples: 15</b>	<b>RAM: 1 MB</b>	<b>Level 1</b>
<b>33 Tr-6_sffz</b> Sforzatissimo 1 velocity layer	<b>Samples: 15</b>	<b>RAM: 1 MB</b>	<b>Level 2</b>

**03 FLATTER**

Range: F#3–C6



Single notes

**Level 1:** Flutter tonguing, normal and crescendo

<b>01 Tr-6_flutter</b> Flutter tonguing, forte 1 velocity layer Release samples	<b>Samples: 28</b>	<b>RAM: 1 MB</b>	<b>Level 1</b>
<b>02 Tr-6_flutter_cre</b> Flutter tonguing, crescendo 1 velocity layer	<b>Samples: 14</b>	<b>RAM: 1 MB</b>	<b>Level 1</b>

**10 PERF INTERVAL**

Range: F#3–C6



Interval performances

**Level 1:** Legato**Level 2:** Marcato

<b>01 Tr-6_perf-legato</b> Legato Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples	<b>Samples: 726</b>	<b>RAM: 45 MB</b>	<b>Level 1</b>
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**02 Tr-6\_perf-marcato****Samples: 666   RAM: 41 MB   Level 2**

Marcato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**11 PERF INTERVAL FAST****Range: F#3–C6**

Fast interval performances

**Level 1:** Legato**Level 2:** Marcato**01 Tr-6\_perf-legato\_fa****Samples: 748   RAM: 46 MB   Level 1**

Legato, fast

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

**02 Tr-6\_perf-marcato\_fa****Samples: 698   RAM: 43 MB   Level 2**

Marcato, fast

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**12 PERF TRILL****Range: F#3–C6**

Multi interval performances

**Level 2:** Trills, legato, minor to major 2nd**01 Tr-6\_perf-trill****Samples: 1286   RAM: 80 MB   Level 2**

Performance trills, legato, minor to major 2nd

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

**13 PERF REPETITION****Range: F#3–C6**

Repetition performances

**Level 2:** Legato

Portato

Staccato

Portato and staccato dynamics

**01 Tr-6\_perf-rep\_leg****Samples: 225   RAM: 14 MB   Level 2**





Legato repetitions

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

**02 Tr-6\_perf-rep\_por****Samples: 405   RAM: 25 MB   Level 2**

Portato repetitions

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

<b>03 Tr-6_perf-rep_sta</b>		Samples: 344	RAM: 21 MB	Level 2
Staccato repetitions 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f				
<b>11 Tr-6_perf-rep_dyn9_por</b>		Samples: 270	RAM: 16 MB	Level 2
Portato dynamics, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo				
<b>12 Tr-6_perf-rep_dyn9_sta</b>		Samples: 252	RAM: 15 MB	Level 2
Staccato dynamics, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo				
<b>14 FAST REPETITION</b>		Range: F#3–C6		
Fast repetitions <b>Level 2:</b> Staccato, 120 to 180 BPM Normal and dynamics				
<b>01 Tr-6_fast-rep_120 (130/140/150/160/170/180)</b>		Samples: 58	RAM: 3 MB	Level 2
Staccato, 9 repetitions, 120–180 BPM 2 velocity layers: 0–88 p; 89–127 f Release samples				
<b>11 Tr-6_fast-rep_120_dyn (130/140/150/160/170/180)</b>		Samples: 28	RAM: 1 MB	Level 2
Staccato, 9 repetitions, 120–180 BPM, crescendo and diminuendo 1 velocity layer AB switch: crescendo/diminuendo				
<b>15 UPBEAT REPETITION</b>		Range: F#3–C6		
Upbeat repetitions <b>Level 2:</b> 1, 2, and 3 upbeats, 80–140, 160, and 180 BPM				
<b>15 UPBEAT REPETITION/A Single Upbeat</b>		Range: F#3–C6		
<b>01 Tr-6_UB-a1_80 (90/100/110/120/130/140/160/180)</b>		Samples: 28	RAM: 1 MB	Level 2
1 upbeat, 80–140, 160, and 180 BPM 2 velocity layers: 0–88 mp; 89–127 f				
<b>15 UPBEAT REPETITION/B Double Upbeats</b>		Range: F#3–C6		
<b>01 Tr-6_UB-a2_80 (90/100/110/120/130/140/160/180)</b>		Samples: 28	RAM: 1 MB	Level 2
2 upbeats, 80–140, 160, and 180 BPM 2 velocity layers: 0–88 mp; 89–127 f				


**15 UPBEAT REPETITION/C Triple Upbeats**      **Range: F#3–C6**
**01 Tr-6\_UB-a3\_80 (90/100/110/120/130/140/160/180)**
**Samples: 28****RAM: 1 MB****Level 2**

3 upbeats, 80–140, 160, and 180 BPM

2 velocity layers: 0–88 p; 89–127 f

**98 RESOURCES**

Resources

**Level 2:** Isolated dynamics repetitions: Portato, staccato

Single layer long notes

**98 RESOURCES/01 Perf Rep dyn**
**Range: F#3–C6**
**02 Tr-6\_rep\_cre9\_por-1 (2/3/4/5/6/7/8/9)**
**Samples: 15****RAM: 1 MB****Level 2**

Extracted repetition

Portato, crescendo, 1st to 9th note

1 velocity layer

**02 Tr-6\_rep\_dim9\_por-1 (2/3/4/5/6/7/8/9)**
**Samples: 15****RAM: 1 MB****Level 2**

Extracted repetition

Portato, diminuendo, 1st to 9th note

1 velocity layer

**03 Tr-6\_rep\_cre9\_sta-1 (2/3/4/5/6/7/8/9)**
**Samples: 14****RAM: 1 MB****Level 2**

Extracted repetition

Staccato, crescendo, 1st to 9th note

1 velocity layer

**03 Tr-6\_rep\_dim9\_sta-1 (2/3/4/5/6/7/8/9)**
**Samples: 14****RAM: 1 MB****Level 2**

Extracted repetition

Staccato, diminuendo, 1st to 9th note

1 velocity layer

**98 RESOURCES/02 Long Notes - Single Layer**
**Range: F#3–C6**
**01 Tr-6\_sus\_p**
**Samples: 45****RAM: 2 MB****Level 2**

Sustained, piano

1 velocity layer

Release samples

2 Alternations

**02 Tr-6\_sus\_mp**
**Samples: 45****RAM: 2 MB****Level 2**

Sustained, mezzopiano

1 velocity layer

Release samples

2 Alternations

<b>03 Tr-6_sus_mf</b> Sustained, mezzoforte 1 velocity layer Release samples 2 Alternations	<b>Samples: 45</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>
<b>04 Tr-6_sus_f</b> Sustained, forte 1 velocity layer Release samples 2 Alternations	<b>Samples: 45</b>	<b>RAM: 2 MB</b>	<b>Level 2</b>
<b>05 Tr-6_sus_ff</b> Sustained, fortissimo 1 velocity layer Release samples	<b>Samples: 29</b>	<b>RAM: 1 MB</b>	<b>Level 2</b>

## 99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

# Matrices

## Matrix - LEVEL 1

### L1 Tr-6 Articulation Combi

Samples: 569 RAM: 35 MB Level 1

Single note articulations

Staccato, portato short, sustained, fortetpiano and sforzato, flutter tonguing normal and crescendo

**Matrix switches:** Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
V1	stac	sustained	fp	flutter
V2	port. short	sustained	sfz	flutter cres.

### L1 Tr-6 Perf-Legato Speed

Samples: 888 RAM: 55 MB Level 1

Interval performances

Legato normal and fast

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones

	H1	H2
legato	normal	fast

## Matrix - LEVEL 2 A - Advanced

### 01 Tr-6 Perf-Universal

Samples: 1660 RAM: 103 MB Level 2

Interval performances

Legato normal and fast

Marcato normal and fast

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato normal	legato fast
V2	marcato normal	marcato fast

### 02 Tr-6 Perf-Trill Speed

Samples: 1398 RAM: 87 MB Level 2

Multi interval performances

Legato and trills

Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

### 03 Tr-6 Short+Long notes - All

Samples: 617 RAM: 38 MB Level 2

Single notes

Staccato

Portato short and medium

Sustained

**Matrix switches:** Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
V1	staccato	port. short	port. med.	sustained



**Matrix - LEVEL 2 B - Standard****11 Tr-6 Perf-Legato Speed****Samples: 888 RAM: 55 MB Level 2**

Interval performances  
 Legato normal and fast  
 Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones

	H1	H2
legato	normal	fast

**12 Tr-6 Perf-Marcato Speed****Samples: 830 RAM: 51 MB Level 2**

Interval performances  
 Marcato normal and fast  
 Speed controller

**Matrix switches:** Horizontal: Speed, 2 zones

	H1	H2
marcato	normal	fast

**13 Tr-6 Dynamics - Small****Samples: 221 RAM: 13 MB Level 2**

Medium crescendo and diminuendo, 2, 3, and 4 sec.  
 Fortepiano, sforzato, sforzatissimo

**Matrix switches:** Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
dyn. medium	2 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

**14 Tr-6 Dynamics - Large****Samples: 505 RAM: 31 MB Level 2**

Medium and strong crescendo and diminuendo, 2, 3, 4, and 5 sec.  
 Crescendo-diminuendo, 2, 3, 4, and 6 sec.  
 Fortepiano, sforzato, sforzatissimo

**Matrix switches:** Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1
dyn. medium	2 sec.	3 sec.	4 sec.	5 sec.
dyn. strong	2 sec.	3 sec.	4 sec.	5 sec.
pfp	2 sec.	3 sec.	4 sec.	6 sec.
fp/sfz	fp	sfz	sffz	sffz

**15 Tr-6 Flatter****Samples: 42 RAM: 2 MB Level 2**

Flutter tonguing  
 Normal, crescendo, and normal/crescendo with Cell crossfading

**Matrix switches:** Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
flutter	normal	crescendo	Cell XF

**Matrix - LEVEL 2 C - Repetitions****31 Tr-6 Perf-Repetitions - Combi****Samples: 974 RAM: 60 MB Level 2**

Repetition performances  
Legato, portato, staccato

**Matrix switches:** Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
V1	legato	portato	staccato

**32 Tr-6 Perf-Repetitions - Speed****Samples: 974 RAM: 60 MB Level 2**

Repetition performances  
Legato, portato, staccato  
Speed controller

**Matrix switches:** Horizontal: Speed, 3 zones

	H1	H2	H3
V1	legato	portato	staccato

**33 Tr-6 Fast-Repetitions****Samples: 224 RAM: 14 MB Level 2**

Fast repetitions: Staccato, 120–180 BPM

**Matrix switches:** Horizontal: Keyswitches, C1–F#1

	C1	C#1	D1	D#1	E1	F1	F#1
speed/BPM	120	130	140	150	160	170	180

**34 Tr-6 Upbeats a1****Samples: 250 RAM: 15 MB Level 2**

Repetitions: 1 upbeat, 80–140, 160, 180 BPM

**Matrix switches:** Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
speed/BPM	80	90	100	110	120	130	140	160	180

**35 Tr-6 Upbeats a2****Samples: 250 RAM: 15 MB Level 2**

Repetitions: 2 upbeats, 80–140, 160, 180 BPM

**Matrix switches:** Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
speed/BPM	80	90	100	110	120	130	140	160	180

**36 Tr-6 Upbeats a3****Samples: 252 RAM: 15 MB Level 2**

Repetitions: 3 upbeats, 80–140, 160, 180 BPM

**Matrix switches:** Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
speed/BPM	80	90	100	110	120	130	140	160	180

**37 Tr-6 Upbeats all****Samples: 752 RAM: 47 MB Level 2**

Repetitions: 1–3 upbeats, 80–140, 160, 180 BPM

**Matrix switches:** Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
1 upbeat	80	90	100	110	120	130	140	160	180
2 upbeats	80	90	100	110	120	130	140	160	180
3 upbeats	80	90	100	110	120	130	140	160	180

**Matrix - LEVEL 2 E - Keyswitch Vel****71 Tr-6 Portato - cre9****Samples: 135 RAM: 8 MB Level 2**

Portato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

**72 Tr-6 Staccato - cre9****Samples: 126 RAM: 7 MB Level 2**

Staccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

**73 Tr-6 Combi - cre9****Samples: 261 RAM: 16 MB Level 2**

Portato and staccato: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

**74 Tr-6 Portato - dim9****Samples: 135 RAM: 8 MB Level 2**

Portato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

**75 Tr-6 Staccato - dim9****Samples: 126 RAM: 7 MB Level 2**

Staccato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

**76 Tr-6 Combi - dim9****Samples: 261 RAM: 16 MB Level 2**

Portato and staccato: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

**Matrix switches:** Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

## Presets

### Tr-6 VSL Preset Level 1

Samples: 1283 RAM: 80 MB [Level 1](#)

L1 Tr-6 Perf-Legato Speed  
L1 Tr-6 Articulation Combi  
Preset keyswitches: C2–C#2

### Tr-6 VSL Preset Level 2

Samples: 3962 RAM: 247 MB [Level 2](#)

01 Tr-6 Perf-Universal  
02 Tr-6 Perf-Trill Speed  
L1 Tr-6 Articulation Combi  
31 Tr-6 Perf-Repetitions - Combi  
73 Tr-6 Combi - cre9  
Preset keyswitches: C2–E2